the preceding year. The seeds, which produced these plants, had probably been buried for more than fifteen years.

This species, together with others of its genus, was well known to the ancients under the same name which it now bears. Its medicinal and deleterious properties were also understood by them.

In modern arrangements the Hyoscyamus in common with Datura, Atropa and other injurious vegetables of its kindred, is found in the class and order *Pentandria Monogynia*, and the natural order *Luridæ*. Its *Jussieuean* order is *Solaneæ*.

In this genus the *corolla is funnel shaped and obtuse, the stamens inclined, the capsule two celled and covered with a lid.*

The present species has the *lower leaves sinuated and clasping, and the flowers sessile.* It is biennial and flowers in June and July.

The whole herb has a glaucous or sea green colour, is hairy and viscid, and emits a rank, offensive smell. The stalk is one or two feet high, round, branching and rigid. The first leaves spread upon the ground, and have some resemblance to a young thistle. They are large, oblong, frequently contorted, clasping, cut into

acute lobes, and pointed; the upper ones generally entire.

The flowers form a revolute, one sided spike at the end of the stem or branch, leaving, as they fall off, a straight row of capsules. The calyx has five short acute segments. The corolla is funnel shaped, irregular, with five spreading, obtuse segments, of a pale yellow or straw colour, with a beautiful net work of purple veins. Stamens inserted in the tube of the corolla, with large oblong anthers. Style slender, longer than the stamens, declined, with an obtuse stigma. Capsule two celled, roundish, covered with a lid, and invested with the persistent calyx, the segments of which extend beyond the calyx, and become rigid and prickly. The seeds are numerous, small, unequal, brownish, and are discharged by the horizontal separation of the lid.

From such chemical experiments as I have made with the dried leaves of the Hyoscyamus, I am inclined to believe, that their chief soluble portion is a variety of extractive matter. The watery and alcoholic solutions do not disturb each other, and the usual tests of tannin produce inconsiderable, or no alteration in either. Of various metallic salts which affected the solutions, the

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